



## Animated Earth

Last updated: 15 December, 2003      Revision: 03

### Project Objectives

- Provide internet-accessible animated visualizations of important Earth Science processes, events, and phenomena to students, educators and the public, using NASA remote sensing and model data.
- Determine which standards and protocols will be adopted to convey these visualizations over the internet.
- Implement and document a public server-side infrastructure to deliver these visualizations using the chosen standards and protocols.

### Customers

- K-16 teachers, students, and the general public.
- Software developers desiring to include the visualization capability in their applications.
- Visualization providers other than the project team wishing to provide visualizations.

### Use Cases

- An elementary school teacher displays on the classroom computer projector a collection of animated hurricane visualizations to illustrate the formation and behavior of powerful storms.
- A geography, history, or anthropology teacher displays animations of the change in population or land-use over time.
- Museums enable their visitors to interactively observe and discover patterns of current Earth events and phenomena.

### Deliverables and Schedule (year one)

- 15 Jan 2004 – Project requirements determined.
- 30 Jan 2004 – Straw man list of visualizations to be created the first year produced.
- 30 Jan 2004 – Adequacy of existing standards determined; definition of any required extensions to standards defined.
- 20 Feb 2004 – Initial project partners identified.
- 5 Mar 2004 – Server-side infrastructure defined and requirements documented for clients and servers.
- 15 Mar 2004 – Initial educator and curriculum developer review of first year visualization product list.
- 30 Mar 2004 – First visualization available. Others at subsequent one-month intervals.
- 31 Mar 2004 – Completion of Virtual Design Center Training.
- 30 Jun 2004 – Initial (alpha) version of server-side software to deliver visualizations available and documented.

### People

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- Alternate Contact: TBD

### Partnerships

- TBD

### Dependencies

- TBD

### Assumptions

- TBD